



POLITECNICO
MILANO 1863



B³ LAB
Biosignals
Bioimaging
Bioinformatics

A home-monitoring system for sleep disorders

Project Details

Tutors:

Pierluigi Reali (pierluigi.reali@polimi.it)

Eleonora Maggioni (eleonora.maggioni@polimi.it)

Simone Costantini (simone.costantini@polimi.it)

Gianluca De Franceschi (gianluca.defranceschi@polimi.it)

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CONTEXT ANALYSIS (INTRODUCTION TO THE MODELING REPORT)

This section (**3-4 pages** at the beginning of the report) should include:

- A **brief** description of the pathological conditions considered in the project.
Just a few lines!
- The aim of the work. E.g., what kind of system are you trying to develop for these specific patients? How can the featured functionalities be helpful for their follow-up? Why should each type of user find your system useful?
- A table reporting the main findings from articles, websites, etc. that you considered to develop a more realistic application for these users (see the "Project_Specs" presentation)
- The main assumptions you made (e.g., *"each patient has a primary clinician who is assigned to them and supervises their follow-up"*).

USE CASE DIAGRAMS

- No predefined number of textual descriptions (do as many as you think are needed)
- Prepare detailed textual descriptions from the beginning: you will be facilitated when making the Activity Diagrams (since you will be able to reuse the same textual descriptions as a basis for those)
- 1 Use Case Diagram for each main system user + 1 Use Case diagram to explain interactions among system users (the latter only if you deem it useful)

ACTIVITY DIAGRAMS

- At least one textual description associated with each Activity Diagram.
The ones made for the Use Case Diagrams can be reused if detailed enough. Also, several interrelated and smaller textual descriptions can be combined into a single Activity Diagram.
- A total of 6 Activity Diagrams per team (7, if you add a specific diagram to describe the log-in procedure)

CLASS DIAGRAMS

- One Class Diagram to describe the system you are developing.
- A relevant comment must accompany the class diagram in the modeling report (i.e., general description of the diagram + explanation of the most peculiar or complex parts).
- If needed, comments can be added also to textual descriptions and previous diagrams to improve understanding and highlight the peculiarities of your system.